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From: Dave Dickerson/R1/USEPA/US

To: "Wolf, Steven NAE" <Steven.Wolf@usace.army.mil>; anita.rigassio-smith@jacobs.com

Copy To: "Mackay, Joseph B NAE" <Joseph.B.Mackay@usace.army.mil>; thomas.j.fredette@usace.army.mil

Delivered Date: 06/16/2010 01:32 PM EDT

Subject: RE: FW: unit cost for sediment camera work

Steve - this looks great, and yes we would be interested in biological recovery.

Thanks so much for your quick reply.

Dave

▼ "Wolf, Steven NAE" ---06/16/2010 01:08:13 PM---Hi Dave, here's what I was thinking for standard assumptions: - survey of a 10 acre area + an approp

From: "Wolf, Steven NAE" <Steven.Wolf@usace.army.mil>
To: Dave Dickerson/R1/USEPA/US@EPA
Cc: "Mackay, Joseph B NAE" <Joseph.B.Mackay@usace.army.mil>
Date: 06/16/2010 01:08 PM
Subject: RE: FW: unit cost for sediment camera work

Hi Dave, here's what I was thinking for standard assumptions:

- survey of a 10 acre area + an appropriate nearby reference area for comparison (assuming you are interested in biological recovery as opposed to just physical characterization of the upper segment of the cap)
- likely a 2-3 day field effort including mob, camera work, demob with 40-60 stations and triplicate images per station
- shallow water and protected area allows use of smaller camera and smaller support boat (~30ft)
- analysis to standard SPI quantitative endpoints with statistical comparison to reference area

For the cost estimate, I don't have the individual components but there was a DAMOS survey last summer that I scaled for a rough estimate
DAMOS 2009 work - 100 stations total distributed at 4 separate CAD cells

(Norwalk, New London, Providence, Hyannis) - \$81K for field work + \$27K for analysis

Rough scaled estimate for New Bedford \$50K for field work + \$14K for analysis

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One item of note, the two vendors we use for DAMOS have a substantial initial mob (one from Virginia and one from Washington) unless they can be scheduled with other east coast work - that's why I didn't scale the estimate exactly

Let me know if you would like contact information or you would like me to get more detail from the vendors - Steve

-----Original Message-----

From: dickerson.dave@epamail.epa.gov [mailto:dickerson.dave@epamail.epa.gov]
Sent: Wednesday, June 16, 2010 11:07 AM
To: Wolf, Steven NAE
Cc: Mackay, Joseph B NAE
Subject: Re: FW: unit cost for sediment camera work

Hi Steve - we're just looking for a ballpark cost to assess a ten acre CAD cell cap using a sediment camera (per event, once per year). Thanks for your help! Dave

Hi Dave, let me know if you have some details on the scope (length of effort, timing, type of analysis) to help put the costs in context - feel free to give me a call - Steve

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-----Original Message-----

From: Mackay, Joseph B NAE
Sent: Wednesday, June 16, 2010 9:57 AM
To: 'dickerson.dave@epamail.epa.gov'; 'Nelson.William@epamail.epa.gov'; 'Bergen.Barbara@epamail.epa.gov'; Fredette, Thomas ERD; Wolf, Steven NAE
Cc: 'anita.rigassio-smith@jacobs.com'
Subject: RE: unit cost for sediment camera work

Dave - we can provide through our DAMOS contract. I've copied Steve Wolf who manages these contracts.

Jay

-----Original Message-----

From: dickerson.dave@epamail.epa.gov [mailto:dickerson.dave@epamail.epa.gov]

Sent: Wednesday, June 16, 2010 9:54 AM
To: Nelson.William@epamail.epa.gov; Bergen.Barbara@epamail.epa.gov; Fredette, Thomas ERD; Mackay, Joseph B NAE
Cc: anita.rigassio-smith@jacobs.com
Subject: unit cost for sediment camera work

Hello all - do any of you have any info on costs for commercial sediment camera work? We're coming down the home stretch with our cost estimates to support a CAD cell proposal, and need to include camera work into the O&M cost.

Thanks - Dave